

CLASSIFIEDS

Alliance Rotor Control Box
Bearcat 101 Scanner w/book (needs repair)
Commodore 64 Packet Equipment v2.03 Digicom
Murich Transmatch UT2000A, has Roller Inductor
Audio Filter CW/SSB (down to 80 hz)
WB3JFE, William Austin 864-8915

Now accepting your classified advertisement.
Free to RAE member, \$2.00 per month to non-members.
Drop a card with your classified to
Dave Ross N3PYH
639 East 29th Street
Erie, PA 16504-1208

QUA-RAE

ADVERTISING RATES

ONE-EIGHTH PAGE - \$25.00/YEAR

ONE-QUARTER PAGE - \$50.00/YEAR

ONE-HALF PAGE - \$85.00/YEAR

NETS

Conneaut Radio Club Net	147.390 FM	Sunday	7:30 PM
Radio Amateurs of Corry	147.090 FM	Thursday	8:00 PM
Ashtabula County ARC Net	146.715 FM	Wednesday	8:00 PM
Tri-State RACES Emergency Net	146.610 FM	Sunday	6:30 PM
ARES/Skywarn Net	146.610 FM	Sunday	9:00 PM
International Simplex Net	146.550 FM	Saturday	8:00 PM
The Aluminum Net	146.550 FM	Saturday	10:00 PM
2 Meter AM	144.450 AM	Monday	7:00 PM
6 Meter AM	50.5200 AM	Wednesday	7:00 PM
6 Meter SSB Net	50.1900 SSB	Sunday	7:00 PM
Lake Erie Emergency Net	29.0000 SSB	Sunday	8:00 PM
Novice-Tech Net	28.4000 SSB	Wednesday	8:30 PM
Radio Amateurs of Corry (HF)	28.3300 SSB	Tuesday	8:00 PM
Flintstone RTTY Net	28.280 RTTY	Saturday	8:30 PM
OCWA National Net	14.3470 SSB	Sunday	2000 UTC
Erie - Fort Pierce Connection	14.3400 SSB	Daily	8:00 AM
County Hunters Net	14.3360 SSB	Daily	Anytime
Mid CARS Net	7.2580 SSB	Daily	Anytime
East CARS Net	7.2550 SSB	Daily	Anytime
South CARS Net	7.2510 SSB	Daily	Anytime
Old Old Timers Club	7.2300 SSB	Thursday	2:00 PM
Rooster Net	3.9900 SSB	Daily	6:00 AM
OCWA Chapter 122 Net	3.9150 SSB	Sunday	9:30 AM
PA Emergency Management Net	3.9050 SSB	Sunday	9:00 AM
160 Meter Net	1.8930 SSB	Daily	7:00 PM



THE OFFICIAL JOURNAL OF THE RADIO ASSOCIATION OF ERIE

QUA-RAE

IN THIS ISSUE...

The President's Corner
ARRL/VEC Report
Minutes from Nov. Meeting
Public Service
Classifieds
and more....

DECEMBER 1995

Have a safe and Merry Christmas
73!

Radio Association of Erie
Post Office Box 844
Erie, PA 16512
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U.S. POSTAGE
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Robert L. Schwimmer N3FAW
129 E. Arlington Rd
Erie, PA 16509-3603

Presidents Corner

Happy Holidays to everyone! I hope everyone had a good and healthy Thanksgiving. I would like to say congrats to all of the officers elected:

President: N3BZL Cliff Craft
Vice Pres: N3PYH Dave Ross
Secretary: KB3AOL Mike Mancuso
Treasurer: KB3ALT Karen McLain

I wish all of them good luck in the new year 1996. I know that they will have all the support of the whole club. Let's make this even better than the year before. I would like to say thank you to Dave Ross for all his hard and good work he has done on our QUA-RAE. Once again Thank You!

I am kind of happy that my term is up for I enjoy doing things in the background not in the open. I know that a lot of people felt that I didn't get much done during the year, but I did get the one item that I felt was the most important to

the club. I had told the officers that if I got only one thing done this year it would be to get the By-laws done, and that is what we did this time around. There are other items but when you have people who won't get involved to help get things rolling then they don't get done.

I will still be there to do what I can do for the club. Don't forget the Christmas Party is on December 1st, 1995 at the Little Bit of Country. The cost is \$13.00 per person. BYOB drinks at 6:00 p.m., dinner at 7:00 p.m.

Personally I have had a lot of fun with every one and hope to see you all helping out the new kids on the block.

GOD BLESS each and every one of you always.

73's

Suzanne Seyboldt N3LPO

VE Report

Submitted by W3CG, Norma Vanderhoff, ARRL VE Liaison

Always allow at least 10 days from the test date before calling the ARRL-VEC office to check on your new call sign or upgraded license information. The new number to call is 1-860-594-0300 and calling hours are weekdays between the hours of 8 a.m. and 5 p.m. Eastern Standard Time. This number is in the VEC Department, and it is a toll call. The previous number through the ARRL/VEAD is no longer available for this purpose.

Examinees should always call the ARRL-VEC office rather than the FCC. The new Certificates of Completion will have the phone number printed on them, but will not be requested until our present supply is exhausted.

There were 18 examinees at the November test session at Villa Maria Center and 31 tests were given. Nicholas Cooling N3TOZ of Girard upgraded to Advanced class, as did Sarah Davis N3UWM of Greenville.

Passing Technician for their first license were Frank Barr of Williamsfield, Ohio, William Coulter of Jamestown, PA, Ann Craft of Fairview, and Raymond Stankiew of Seppville. Passing Novice exams was Lorraine Gantz of Erie.

Lorraine has been attending the current RAE code and theory classes, which are not scheduled to be completed until late November, so this speaks well for Lorraine and classroom teachers, who are Dick Bainbridge W3GZO, Ron Seyboldt WB3DOM, Joe McLain KB3ALU, and substitute Jim Salter WR4W.

VEs who served at the November Villa Maria test session were Dick Waldinger N13Q, Chris Robson KB3A, Norman Tousey WB3EZY, Al Yacobozzi N3NHX and yours truly, W3CG.

Upgrading at the October test session at Gannon University was Clifton Craft N3BZL of Fairview to Technician Plus and gaining Technician class for her first license was Jennifer Stoltz of McKean.

The next Villa Maria test session will be held on Saturday, December 2, at 8 a.m.

PUBLISHED MONTHLY BY THE RADIO ASSOCIATION OF ERIE

THE RADIO ASSOCIATION OF ERIE IS A NON-PROFIT CLUB SERVING THE TRI-STATE AREA BY PROVIDING EMERGENCY COMMUNICATIONS DURING A CIVIL DISASTER, AS WELL AS PROVIDING COMMUNICATION SUPPORT FOR PUBLIC SERVICE EVENTS. THE CLUB MEETS AT 7:00 THE FIRST THURSDAY OF EVERY MONTH AT THE RED CROSS CHAPTER HOUSE, 4961 PITTSBURGH AVENUE, ERIE, PA. FOR MEMBERSHIP INFORMATION CONTACT BOB SCHWINNER, N3FAW AT 866-3027.

THIS NEWSLETTER IS EDITED BY DAVE ROSS, N3PYH. SUBMISSIONS ARE ACCEPTED AND ENCOURAGED. PLEASE MAKE ALL SUBMISSIONS VIA A 5 1/4" OR 3 1/2" PC COMPATIBLE FLOPPY, IF POSSIBLE. TYPEWRITTEN SUBMISSIONS WILL BE ACCEPTED IF PC DISKS ARE NOT AVAILABLE. FOR INFORMATION CALL 454-5407 EVENINGS OR WRITE TO:

DAVE ROSS
N3PYH
639 EAST 29TH ST.
ERIE, PA 16504-1208

OR N3PYH@AOL.COM

THIS IS YOUR NEWSLETTER. PLEASE CONTRIBUTE!

Club Calendar

DECEMBER 1995 Notes: SE = Special Event, HF = Hamfest, TST = Contest, QP = QSO Party

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1 RAE CHRISTMAS PARTY APRIL 160 MTR TST	2 APRIL 160 MTR TST TOPS 3.5 min CW TST ARMY-NAVY SE MAIRION, OH SE
3 APRIL 160 MTR TST HOMEBREW SPRINT MAIRION, OH SE	4	5	6	7	8	9 APRIL 10 MTR TST
10 APRIL 10 MTR TST	11	12	13	14	15	16 CO SANTA CLAUS NAZARETH/BETH. SE FT. CHRISTMAS SE
17 NAZARETH/BETH. SE FT. CHRISTMAS SE	18	19	20	21	22	23
24	25 MERRY CHRISTMAS FROM THE QUA- RAE STAFF!	26	27	28	29	30
31 FIRST NIGHT ERIE STRAIGHT KEY NIGHT RAE WINTER TST						

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Fifth Call Area - All calls* -
ARRL W5 Incoming QSL Bureau
P.O. Box 50625
Midland, TX 79710

Sixth Call Area: All calls* 1 -
ARRL Sixth (6th) District DX QSL Bureau
P.O. Box 1460
Sun Valley, CA 91352

Seventh Call Area: All calls* -
Williamette Valley DX Club, Inc.
P.O. Box 555
Portland, OR 97207

Eighth Call Area: All calls -
8th Area QSL Bureau
P.O. Box 182165
Columbus, OH 43218-2165

Ninth Call Area: All calls* -
Northern Illinois DX Assn.
Box 519
Elmhurst, IL 60126

Zero Call Area: All calls* -
W0 QSL Bureau
P.O. Box 4798
Overland Park, KS 66204

Puerto Rico: All calls* -
KP4 QSL Bureau
P.O. Box 1061
San Juan, PR 00902

U.S. Virgin Islands: All calls -
Virgin Islands ARC
GPO Box 11360
Charlotte, Amalie
Virgin Islands 00801

Hawaiian Islands: All calls* -
Wayne Jones, NH6GJ
P.O. Box 788
Wahiawa, HI 96786

Alaska: All calls* -
Alaska QSL Bureau
4304 Garfield St.
Anchorage, AK 99503

Guam: MARC
Box 445
Agana, Guam 96910

SWL: Mike Witkowski, WDX9JFT
4206 Nebel St.
Stevens Point, WI 54481

QSL Cards for Canada may be sent to:
RAC Incoming QSL Bureau
Box 51
St. John, NB E2L 3X1

QSL cards for Canada may also be sent to the individual bureaus:

VE1, VE9, VT3* - James Wade, VE1DH P.O. Box 141 Pelticoolac, NB E0A 2H0	VE2 - A.G. Daemen, VE2LZ 2960 Douglas Ave. Montreal, PQ H3R 2E3
VE3 - Gary Hammond, VE3XX 5 McLaren Ave. Laticone, ON M4W 3E1	VE4 - Adam Romanchuk, VE4SR 26 Morrison St. Windsor, NB R2V 3E4
VE5* - BJ. Madden, VE5FX 715 Washington Dr. Weymouth, SK S4R 2E4	VE6* - Norm Walton, VE6W P.O. Box 1890 Morinville, AB T0G 1P0
VE7* - Dennis Lavery, VE7DK 8309 112th St. Delta, BC V4C 4W7	VE8* - Rolf Elmann, VE8KE 2 Taylor Road Yellouknife, NW Y1A 2E3
VT1 - M.L. Champagne, VT1AU P.O. Box 4597 Whitehorse, YT Y1A 2H8	VO1, VO2 - Roland Reddie, VO1BD P.O. Box 6 St. John's, NF A1C 5K5

* These bureaus sell envelopes or postage credits. Send an SASE to the bureau for further information.

¹ These bureaus can only accept specific sized envelopes. Send an SASE to the bureau for further information.

TO ALL AMATEUR'S PARTICIPATING IN THE 1995 ARES SET:

THANK YOU FOR A TREMENDOUS EFFORT AND AN IMPRESSIVE SHOWING OF ERIE COUNTY ARES ABILITY! AS OF PUBLICATION WE ARE STILL COMPILING SCORES, BUT IT'S CLEAR WE'LL READILY EXCEED THE GREAT PERFORMANCE OF 1994. THE SKILL, PREPARATION, AND PROFESSIONALISM OF THE ERIE COUNTY ARES ORGANIZATION IS A SOURCE OF PRIDE FOR ALL AMATEURS IN THE COUNTY.

THANKS AGAIN, AND CONGRATULATIONS!

N3HPR, TOM MCCLAIN, ERIE COUNTY ARES EMERGENCY COORDINATOR

Minutes

Radio Association of Erie

Membership Meeting

November 4, 1995

N3LPO President Sue called the meeting to order, with standing room only in attendance, at 7:35 p.m.

KB3A Chris, Election Chairman, took charge of the election proceedings with the assistance of Red WB3EZY, Bob KB3ALY, Evelyn W3JQV and Bob N3FAW. Following roll call of eligible voters and ballot count, the new officers were called to the front and received a welcoming applause from the membership. The 1996 R.A.E Officers elected are:

President:	N3BZL Cliff Craft	Fairview
Vice President	N3PYH Dave Ross	Erie
Secretary	KB3AOL Mike Mancuso	Erie
Treasurer	KB3ALT Karen McClain	Erie

N3LPO Sue made the motion that nominations be accepted and closed. N3TOZ seconded the motion. Motion was approved and carried.

N3MHL Jennifer upgraded from Novice and passed her Tech test after only one month of study. Jennifer lives in McKean and is the attractive daughter of KB3ALT Karen and KB3ALU Joe McClain. Also upgrading N3BZL Cliff mastering the code. Both received a hearty applause from their peers.

KB2OUA made the motion to accept the minutes of the last meeting as printed in the QUA-RAE, seconded by KB3ALU Joe. Motion carried.

KB3ALT Karen, Treasurer itemized a -\$204 cash flow for October. N3BZL Cliff reported an informal Board meeting, in reference to the legal quorum rule.

N3FAW Bob, Membership Chairman, announced a record number of members joining up in October for the following year. Bob stated that 62 full, 10 associates, including 26 lifetime memberships for a total of 98 memberships already in for '96. 1995 yielded 258 R.A.E members.

N3NTJ Matt, Public Service Chairman, reported receiving \$100 from the Erie Runners Club and a "Thank You" letter from KB3ML Mary for the Bike Races. Volunteers from 1st Night Erie can contact Matt at 864-3809 to be held December 31st from 4 p.m. - midnight. CQ Santa aka N3Santia's *Rein Deer* will be flying over the .61 repeater on December 16th.

WA3DOM Bob brought up the old time 10 meter practice of a Halloween Safety Patrol to be renewed on the 2 meter band. KB2OUA Tom also supported the program, to include watches in highway overpasses. N3LPO Sue recommended the worthwhile idea to the new officers.

N3FAW Bob had a call from the XYL of SK WA3DPI. There is ham equipment for sale to help settle his estate. Please contact Bib for more detailed information.

KB3A Chris reminded everyone to take a little extra effort to get your PA QSO Party logs in, either by mail or to him by the 15th.

Doug Maddox reported more Erie stations than ever were heard on the air this year. Chris has no clue yet how well we did, but 1,000,000 points are tabulated with only nine logs in. Fantastic!

W3GZO Dick, Education Chairman, stated that classes are still trucking along with only three weeks left to go an all students are staying with the program. Instructors were commended for doing a great job.

KB3A Chris, Hamfest Chairman, reported the 1996 Hamfest plans are already approved by the ARRL. A work day is scheduled for September 6th with September 7th date fixed for the RAE Hamfest.

N3HPR Tom thanked everyone who attended the ARES seminar at Hamot. Approximately 80 attended and received a wealth of information. SET is an annual ARRL mandated drill that every section must go through. Initial notification originates from the emergency coordinator of Northwestern PA. The new telephone tree is then activated; multiple nets are called up; mobiles dispatched; repeaters tested; transmitter power checks; photo IDs displayed; traffic handled; HF/VHF liaison; neighborhood Red Cross centers located; phonetics and a slow speech pattern advised. Extra points are given for new hams (licensed less than 3 years) checking in. The Simulated Emergency Test lasts from 3 to 5 hours.

W3CG Norma, VE Examiner, reminded everyone that the exams are held at the Villa Maria, 2551 @. 12th, on the first Saturday of each month at 8 a.m. Enter at the Hammermill Administration Building.

N3LPO Sue invited everyone to the RAE Christmas party to be held at Little Bit of Country. Check the map printed in the November QUA-RAE. Reservations are due in by November 20th. Contact Sue at 456-0500.

W3FQQ Sam was the lucky winner of the 50/50.

W33M Dan won a marathon T-Shirt.

N3TIL Debi won a marathon T-Shirt.

KB2OUA Tom won a marathon T-Shirt.

W3QPP Paul, founder of the local QCWA Chapter presented a 15 year award to W3JQV Evelyn and W3FQQ Sam as registered Banner Members, at the close of the meeting.

N3LBI Bob made the motion to adjourn (along with about six others!)

KB2OUA Tom seconded.

On a personal note: I have had a lot of FUN hobnobbing around this year with you all at the meetings, picnics, field days, Skywarn, ARES, etc. It has been my pleasure to work with the Officers and Board. I most sincerely appreciate the special considerations afforded the hearing impaired. God Bless.....

W3JQV Evelyn Baker....Secretary

Volunteers Needed...

First Night Erie

December 31 (New Years Eve) 4 p.m. - Midnight
Downtown Erie

Amateur Radio Profanity in 1910?

Those of you concerned with "x-rated repeaters", the use of on-air expletives, the problems of intentional QRMing and jamming and the appropriate regulatory response should know that these issues have been around since the earliest days of Amateur Radio operating-in fact, since the days before mandatory licensing. Consider the following article from the New York Times of Wednesday, January 30th, 1910. It appeared on page 4 under the headline "DENY WIRELESS MISCHIEF-Young Experimenters Say They Have Not Power to Reach Distant Stations"

"Special to the New York Times MONTCLAIR, N. J., Jan. 29.
On behalf of the wireless operators of Montclair, some 140 in number, who have been accused of sending profane and indecent messages through the air, Arthur P. Morgand and A. B. Cole, two boys who have been pioneers in the local experiments, have come to the defense of their colleagues in a public statement. They deny that the wireless amateurs in Montclair have offended by sending out indecent messages or causing trouble by sending false information to Government stations by the use of "stolen codes."

"They assert that there is no wireless station in this town which can transmit as far as Newport, R. I., whither, it was charged, the profane messages were sent, or over a radius of more than fifteen miles, and this only under exceptional weather conditions, while there are not more than six of the stations that can transmit more than two miles. The boys say they never use "stolen codes" to give false or other orders to the government stations.

"The local wireless amateurs assert that the persons who are agitating Government supervision of wireless are the representatives of a commercial concern which wishes to gain and hold a monopoly of the air for its own business to the exclusion of all competitors and the experimenters, and which is at present using petty interference troubles as a means to this end.

Thanks to Rich Sameula, KF9KV, and CompuServe's HAMNET



To volunteer contact Matt, N3NTJ, at 864-3809, or after the Sunday 2 Meter Nets, or sign up at a RAE Club Meeting.
Or E-Mail Matt at N3NTJMATT@AOL.COM or WB3DWL@KNIGHT.GANNON.EDU

Are You A "Horn Honker?" by Hans Brakob, K0HB

After hearing a number of discussions, on a number of subjects (all of which seem to follow the thread of "someone oughta do something about that") I am reminded of a story.

The story is told of a lady motorist who was stalled at an intersection, unable to restart her car. The light changed from green to red, back to green, and again to red, while she tried everything she knew to get her vehicle to move. In back of her an impatient motorist began honking his horn, fussing, and generally demanding that she "oughta do something".

Finally the lady walked back to the loudmouth and calmly said, "if you will get my car started, I'll be glad to keep honking your horn and yelling for you!"

It strikes me that there is a growing surplus of "horn honkers" and a lot fewer who would get out and help get the car started.

It doesn't take a lot of intelligence or talent to sit back and find fault or criticize. The key to getting something done is - ACTION! That's the word that separates the "criticizers" from the "horn honkers". The person of action is the one who does something about a problem, instead of sit and complain and condemn.

I am amused by those few who "honk their horn" at the ARRL, acting as though a handful of folks in Newington has the job to "save Amateur Radio". You got it all wrong guys! The ARRL is 170,000 folks OUT HERE who "oughta be doing something". The "hired hands" (elected folks and the Newington crew) would like nothing better than for you to help us "do something".

If you don't like what you hear on the air, help us gather the evidence to help the FCC. Better yet, spend some time teaching a newcomer the "right way" so we can all have more fun!

Quit honking your horn and help us fix the car! Join the Amateur Auxiliary, "Elmer" a newcomer, present some well reasoned ideas to your Division Director, (if he doesn't listen, run for Director yourself), help your local club organize training classes in good amateur practice, or whatever else your time and talents allow. Trust me, you'll find so much to do, that you'll have no time left to condemn and criticize those who are beside you trying to keep the car running.

The German philosopher Goethe said: "What you can do or dream you can do, BEGIN IT; Boldness has genius, power, and magic in it."

Or continue to honk your horn and yell -- in the end you can always bemoan "somebody shoulda done something, and I surely always told them so!"

Excuse me, I gotta go start another car.

THE ARRL INCOMING QSL BUREAU SYSTEM

Purpose

Within the US and Canada, the ARRL DX QSL Bureau System is made up of numerous call area bureaus that act as central clearing houses for QSLs arriving from foreign countries. These "incoming" bureaus are staffed by volunteers. The service is free and ARRL membership is not required.

How it Works

Most countries have "outgoing" QSL bureaus that operate in much the same manner as the ARRL Outgoing QSL Service. The member sends his cards to his outgoing bureau where they are packaged and shipped to the appropriate countries.

A majority of the DX QSLs are shipped directly to the individual incoming bureaus where volunteers sort the incoming QSLs by the first letter of the call sign suffix. One individual may be assigned the responsibility of handling from one or more letters of the alphabet. Operating costs are funded from ARRL membership dues.

Claiming your QSLs

Send a 5 x 7-1/2 or 6 x 9 inch self-addressed, stamped envelope (SASE) to the bureau serving your callsign district. Neatly print your call-sign in the upper left corner of the envelope. Place your mailing address on the front of the envelope. A suggested way to send envelopes is to affix a first class stamp and clip extra postage to the envelope. Then, if you receive more than 1 oz. of cards, they can be sent in the single package.

Some incoming bureaus sell envelopes or postage credits in addition to the normal SASE handling. They provide the proper envelope and postage upon the prepayment of a certain fee. The exact arrangements can be obtained by sending your inquiry with a SASE to your area bureau. A list of bureaus appears below.

Helpful Hints

Good cooperation between the DXer and the bureau is important to ensure a smooth flow of cards. Remember that the people who work in the area bureaus are volunteers. They are providing you with a valuable service. With that thought in mind, please pay close attention to the following DOs and DON'Ts.

DOs

DO keep self-addressed 5 x 7-1/2 or 6 x 9 inch envelopes on file at your bureau, with your call in the upper left corner, and affix at least one unit of first-class postage.

DO send the bureau enough postage to cover SASEs on file and enough to take care of possible postage rate increases.

DO respond quickly to any bureau request for SASEs, stamps or money. Unclaimed card backlogs are the bureau's biggest problem.

DO notify the bureau of your new call as you upgrade. Please send SASEs with new call, in addition to SASEs with old call.

DO include a SASE with any information request to the bureau.

DO notify the bureau in writing if you don't want your cards.

DON'Ts

DON'T send domestic US to US cards to your call-area bureau.

DON'T expect DX cards to arrive for several months after the QSO. Overseas delivery is very slow. Many cards coming from overseas bureaus are over a year old.

DON'T send your outgoing DX cards to your call-area bureau.

DON'T send SASEs to your "portable" bureau. For example, AA2Z/1 sends SASEs to the W2 bureau, not the W1 bureau.

DON'T send SASEs to the ARRL Outgoing QSL Service. DON'T send SASEs larger than 6 x 9 inches. SASEs larger than 6 x 9 inches require additional postage surcharges.

ARRL INCOMING DX QSL BUREAU ADDRESSES

First Call Area: All calls -

W1 QSL Bureau
Y.C.C.C.
P.O. Box 80216
Springfield, MA 01138-0216

Second Call Area: All calls -

ARRL 2nd District QSL Bureau
N.J.D.X.A., P.O. Box 599
Morris Plains, NJ 07950.

Third Call Area: All calls -

C-CARS, P.O. Box 448
New Kingstown, PA 17072 - 0448

Fourth Call Area: All single-letter prefixes (K4, N4, W4)

Mecklenburg Amateur Radio Club
P.O. Box DX
Charlotte, NC 28220

Fourth Call Area: All two-letter prefixes (AA4, KB4, NC4, WD4, etc.) -

Sterling Park Amateur Radio Club
Call Box 599
Sterling, VA 20167

THE ARRL OUTGOING QSL SERVICE

Note: The ARRL QSL Service should not be used to exchange QSL cards within the 48 contiguous states.

One of the greatest bargains of League membership is being able to use the ARRL Outgoing QSL Service to conveniently send your DX QSL cards overseas to foreign QSL Bureaus. Your ticket for using this service is your QST address label and just \$2.00 per pound. For those not quite so DX active (sending 10 cards or fewer), enclose \$1.00. You can't even get a deal like that at your local warehouse supermarket! And the potential savings over the substantial cost of individual QSLing is equal to many times the price of your annual dues. Your cards are sorted promptly by the Outgoing Service staff, and cards are on their way overseas usually within a week of arrival at ARRL HQ. Approximately two million cards are handled by the Service each year!

QSL cards are shipped to QSL Bureaus throughout the world, which are typically maintained by the national Amateur Radio Society of each country. While no cards are sent to individuals or individual QSL managers, keep in mind that what you might lose in speed is more than made up in the convenience and savings of not having to address and mail QSL cards separately. (In the case of DXpeditions and/or active DX stations that use US QSL managers, a better approach is to QSL directly to the QSL manager. The various DX newsletters, the W6GO QSL manager directory, and other publications, are good sources of up-to-date QSL manager information.)

As postage costs become increasingly prohibitive, don't go broke before you're even halfway towards making DXCC. There's a better and cheaper way — "QSL VIA BURO" through the ARRL Outgoing QSL Service!

How To Use The ARRL Outgoing QSL Service

1) Presort your DX QSLs alphabetically by parent call-sign prefix (AP, C6, CE, DL, ES, F, G, JA, LY, PY, YL, 5N, 9Y and so on). NOTE: Some countries have a parent prefix and use additional prefixes, i.e., CE (parent prefix) = XQ, 3G,.... When sorting countries that have multiple prefixes,

keep that country's prefixes grouped together in your alphabetical stack. Addresses are not required. DO NOT separate the country prefix by use of paper clips, rubber bands, slips of paper or envelopes.

2) Enclose the address label from your current copy of QST. The label shows that you are a current ARRL member.

3) Members (including foreign and QSL managers) should enclose payment of \$3.00 per each pound of cards or portion thereof—approximately 150 cards weigh one pound. A package of ten (10) cards or fewer costs only \$1.00. Please pay by check (or money order) and write your callsign on the check. Send "green stamps" (cash) at your own risk. DO NOT send postage stamps or IRCs. (DXCC credit CANNOT be used towards the QSL Service fee.)

4) Include only the cards, address label and check in the package. Wrap the package securely and address it to the ARRL Outgoing QSL Service, 225 Main Street, Newington CT 06111.

5) Family members may also use the service by enclosing their QSLs with those of the primary member. Include the appropriate fee with each individual's cards and indicate "family membership" on the primary member's QST address label.

6) Blind members who do not receive QST need only include the appropriate fee along with a note indicating the cards are from a blind member.

7) ARRL affiliated-club stations may use the service when submitting club QSLs by indicating the club name. Club secretaries should check affiliation papers to ensure that affiliation is current. In addition to sending club station QSLs through this service, affiliated clubs may also "pool" their members' individual QSL cards to effect an even greater savings. Each club member using this service must also be a League member. Cards should be sorted "en masse" by prefix, and a QST label enclosed for each ARRL member.



ERIE ANIMAL HOSPITAL

PROFESSIONAL ASSOCIATION

"Quality Care by Pet Lovers . . .
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Recommended QSL-Card Dimensions

The efficient operation of the worldwide system of QSL Bureau requires that cards be easy to handle and sort. Cards of unusual dimensions, either much larger or much smaller than normal, slow the work of the Bureaus, most of which is done by unpaid volunteers. A review of the cards received by the ARRL Outgoing QSL Service indicates that most fall in the following range: Height = 2-3/4 to 4-1/4 in. (70 to 110 mm), Width = 4-3/4 to 6-1/4 in. (120 to 160 mm). Cards in this range can be easily sorted, stacked and packaged. Cards outside this range create problems; in particular, the larger cards often cannot be handled without folding or otherwise damaging them. In the interest of efficient operation of the worldwide QSL Bureau system, it is recommended that cards entering the system be limited to the range of dimensions given. [Note: IARU Region 2 has suggested the following dimensions as optimum: Height 3 1/2 in. (90 mm), Width 5 1/2 in. (140 mm).]

Countries Not Served By The Outgoing QSL Service

Approximately 260 DXCC countries are served by the ARRL Outgoing QSL Service, as detailed in the ARRL DXCC Countries List. This includes nearly every active country. As noted previously, cards are forwarded from the ARRL Outgoing Service to a counterpart Bureau in each of these countries. In some cases, there is no Incoming Bureau in a particular country and cards therefore cannot be forwarded. However, QSL cards can be forwarded to a QSL manager, i.e.; 3C1MB via (EA7KF). The ARRL Outgoing Service cannot forward cards to the following countries:

A5 Bhutan	A6 United Arab Emirates
D2 Angola	EP Iran
ET Ethiopia	J5 Guinea-Bissau
KC6 Belau	KH0 Mariana Is.
KH1 Baker and Howland Is.	KH4 Midway I.
KH5 Palmyra and Jarvis Is.	KH7 Kure I.
KH8 Am. Samoa	KH9 Wake I.
KP1 Navassa I.	KP5 Desecheo I.
P5 North Korea	S2 Bangladesh
S7 Seychelles	T2 Tuvalu
T3 Kiribati	T5 Somalia
TJ Cameroon	TL Central African Republic
TN Congo	TT Chad
TY Benin	TZ Mali
V6 (KC6) Micronesia	VP2M Montserrat
XT Burkina Faso	XU Kampuchea
XW Laos	XX9 Macao
XZ (1Z) Myanmar (Burma)	YA Afghanistan
ZD9 Tristan da Cunha	3C0 Pagalu I.
3C Equatorial Guinea	3V Tunisia
3W, XV Vietnam	3X Guinea
5A Libya	5H Tanzania
5R Madagascar	5T Mauritania
5U Niger	5X Uganda
70,4W Yemen	7Q Malawi
8Q Maldives	9G Ghana
9N Nepal	9Q Zaire
9U Burundi	9X Rwanda

Additional information:

SWL cards can be forwarded through the QSL Service.

We no longer hold cards for countries with no Incoming Bureau. Only cards indicating a QSL manager for a station in these particular countries will be forwarded.

The Outgoing QSL Service CANNOT forward stamps, IRCs or "green stamps" (cash) to the foreign QSL bureaus.

GEARVAKf Research Basis of No-Code Tape

Turlock, California— November 31, 1995 - In a surprise announcement that has completely rocked the foundation of the educational community, the Wet-Link C.B. Radio Network has prematurely introduced a new "No-Code CW Training Tape Cassette" which was developed using lack of research material supplied by the world famous Gorbinsky Learning and Forgetting Center of Ohio.

This GEARVAKf-sponsored facility is the hub of the GEARVAKf-funded research into "things."

In a 1955 report authored two decades before the center was opened, it's former Director of Research Into Things, Dr. R. U. Kidding, PhD. (phud), posed the question: "Why is the sky blue and what does this have to do with learning morse code?"

Using grant monies provided by the GEARVAKf Grant Monies Institute to Research Things, Dr. Kidding attempted to contact the late Samuel F.B. Morse to ascertain the answer. By 1966, Dr. Kidding had discovered that Morse had been dead for several decades and therefore was not a plausible source for garnering his information.

While Dr. Kidding never did learn why the sky is blue, his 1979 paper titled "To Code or Not to Code—Is That a Question?" went unnoticed by the communications community for almost two decades, mainly because it as written in a VIC-20 computer, printed in 23-letter columns, and looked like a grocery list. The paper was resurrected about four days ago by the production staff at Wet-Link C.B. Radio as an excuse to put out a useless tape cassette to teach people No-Code at 0 WPM. Hosted by Niles East, the cassette is designed to instruct the listener and impart enough knowledge so that he or she can pass the Morse Code portion of the FCC No-Code ham radio exam.

Since nobody in their right or left mind would buy such trash, the only way to get one is at the WESTLINK REPORT/220 NOTES booth at the 1996 AmateurRadioVention in Dayton, Ohio. The tapes are almost for free, but not quite. GEARVAKf members are advised to show their lack of ID cards while non-members need not.

-- WA6ITF